

U.G. 2nd Semester Examination - 2023

GEOGRAPHY

[HONOURS]

Course Code : GEO-H-CC-T-04

(Cartograms, Survey and Thematic Mapping)

[New Syllabus Under CBCS]

Full Marks : 40

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any five from the following: 2×5=10
- i) What is *thematic map*?
 - ii) Where are *dot and sphere diagrams* applied?
 - iii) What is the utility of *hythergraph*?
 - iv) How does *magnetic bearing* differ from *true bearing*?
 - v) What is *bench mark*?
 - vi) What is the significance of the *Demographic charts*?

[Turn over]

vii) What is the principal characteristic of a *transit theodolite*?

viii) What is meant by *line of collimation*?

2. Answer any two from the following: $5 \times 2 = 10$

i) Differentiate *fore bearing* from *back bearing*.

ii) Distinguish between *whole-circle bearing* and *reduced bearing*.

iii) Give the concept of *age-sex pyramid*.

iv) Write a short note on *reduced level* in surveying.

3. Answer any two from the following: $10 \times 2 = 20$

i) Discuss and compare the *isopleth map* and *choropleth map* with necessary illustrations.

ii) Explain the characteristics and utilities of climograph after G. Taylor with a schematic diagram.

iii) Write a short note on the utilities of any four survey equipments.

iv) Illustrate the key elements of interpretation of landuse and landcover maps.